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Dillon et al.

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(54) **METHOD AND APPARATUS FOR
SELECTIVELY ALLOCATING AND
ENFORCING BANDWIDTH USAGE
REQUIREMENTS ON NETWORK USERS**

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(57) **ABSTRACT**

A hybrid gateway includes functionality that allows band-
width on a network (such as a satellite link) to be dynami-
cally allocated and enforced. The hybrid gateway compares
the thresholds defined for a requesting terminal's level of
service and its measured running average data throughput to
determine if the requesting terminal's bandwidth should be
reduced (throttled). The hybrid gateway intercepts requests
made by the requesting terminals and, if necessary, reduces
the advertized window size of requests made by the request-
ing terminal, thereby reducing the transmission speed of the
link and therefore the bandwidth of the link.

15 Claims, 9 Drawing Sheets

